

Automatic Syntactic Analysis, 75 pp.
RUSSIAN, bk, Avtomatushky sintaksicheskiy
analiz, 1964, pp. 1-66.
JPRS 33582

USSR
Sci-Math/D.P.
Jan 66

293,807

Influence of Flux on the Formation of a Welded Seam, by
V. V. Padgaetskiy.

RUSSIAN, per, Avtomat Svarka, No 2, 1951, pp 26-43.

*BISI 2613

Sci - engr

2 Mar 62

list 120

The Fatigue Strength of Welded Joints in Low-Alloy and Low-Carbon Steels Under Alternating and Repeated Fluctuating Stress Cycles, by A. E. Asnis. UNCL

RUSSIAN, per, Avtom Svarka, No 5, 1951,
pp 3-17.

DSIR LIU RTS 1333

(35a.)

Sci - Min/Met
May 60

116,590

61-13467

Vladzievskii, A. P.
THE PROBABILITY LAW OF OPERATION OF AUTOMATIC LINES AND INTERNAL STORAGE IN THEM. [1961] [59]p. 25 refs. [DSIR NLL] M. 1924.
Order from OTS or SLA \$5.60 61-13467

I. Vladzievskii, A. P.
II. DSIR NLL M. 1924

Trans. of Avtomatika i Telemekhanika (USSR) [1952],
v. 13, no. 3, p. 227-281 (p. 243-246 condensed).

DESCRIPTORS: *Operations research. Industrial research. *Probability. *Industrial production. Storage. Automation.

This article deals with certain problems of the theory of automatic lines, their laws of operation and the application of these laws to the solution of certain problems associated with increasing the efficiency of the lines. The probability law of operation of automatic lines is found. The problem of the most suitable number of machines--Manufacturing, TT, v. 7, no. 9) (over)

Office of Technical Services

Experimental Research on the Effect of
Residual Stresses on the Endurance of Welded
Joints Under Vibratory Loading, by V. V.
Shevorenchikov, V. I. Trufyakov. UNCL

RUSSIAN, per, Avtom Svarka, No 4, 1952, pp 5-10.

DSIR LNU RTS 1334

(16s. 0d.)

Sci - Engpr
Aug' 60

113,021

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CIA-RDP84-00581R000300800030-4

Spectroanalytical Determination of Small
Quantities of Carbon in Steels and Welds, by
E. S. Kudelym, A. S. Dem'yanchuk,

RUSSIAN, Avtomat Svarka, Yaroslav Vol VI, No 1,
1953, pp 19-26.

13,736

Brutcher Tr
No 3270

Scientific - Min/Metals, Chemistry

Effect of Heat Treating Upon the Results of Spectroanalysis of ~~XX~~¹ Steel and Welds, by E. S. Kudalya

RUSSIAN, per, Avto Svarka, Vol VI, No 1, 1953, pp 27-33.

Bruncher Tr 3272

15,967

Scientific - Minerals/Metals
Jul CXB/DEI Price \$5.40

Development of Primary Structure of Welds in Low Carbon and Low Alloy Steels by Electrolytic Etching, by A. A. Rossozhinskii

RUSSIAN, per, Avto Svarka, Vol 6, 1953, No 1,
pp 52-54.

Brutcher Tr No 3071

Scientific • Metallurgy

Price \$2.75

1376

Influence of Temperature and Time Upon Intergranular
Corrosion of Welds in 18-8 Type Steel, by
N. Yu. Pal'chuk,

RUSSIAN, per, Avtomat Svarka, Vol VI, No 2,
1953, pp 3-14.

Brutcher Tr No 3233
\$9.80

21,072

Scientific - Man/Metals

Feb 55 CTS

Electrodes for the Welding of Acid-Resisting Cr-Ni-Mo-Ti Steels, by G. A. Ukolov.

RUSSIAN, per, Avtomatischekaya Svarka, Vol VI, No 3, 1953, pp 46-49.

Brutcher Tr 3188

Scientific - Minerals/Metals

Price \$1.80

Nov 53 CIS

7340

Influence of Hydrogen, Oxygen, and Nitrogen Upon Formation of Hot Cracks in 18-8 Steel Welds. Part, I. D.
M. S. Deyar. UNCLASSIFIED.

RUSSIA, per, Avtomat Svarka, Vol VI, No 4, 1953,
pp 3-9.

SLA R-1920
Brutcher Tr No 3369

Scientific - Min/Metals

17, 375

Influence of Hydrogen, Oxygen, and Nitrogen upon
Formation of Hot Cracks in 18-8 Steel Welds, Part III,
by D. I. Medovar,

RUSSIAN, per, Avtomat Svarka, Vol VI, No 4,
1953, pp 10-18.

Brutcher Tr No 3370

Scientific - Min/Metals

13,728

Influence of Hydrogen, Oxygen, and Nitrogen
Upon the Formation of Hot Cracks in 18-8
Steel Welds. Part III, by D. I. Medovar.

RUSSIAN, per, Avtomat Svarka, Vol VI, No 4,
1953, pp 18-23.

Brutcher Tr

No 3371

~~420~~

SLA R-1926

Scientific - Minerals/Metals CIS/DEX

19,503

Electro-Slag Welding, by G. Z. Volechkevich.

RUSSIA, per, Avtom Svarka, Vol VI, No 6,
1953, pg 3-10.

HD 4607

Sci - Eng

Nov 59

100,351

The Sigma Phase in 18-8 Austenitic Steel Welds,
by B. I. Medovar, A. A. Rossoshinskii,

RUSSIAH, per, Avtomat Svarka, Vol ~~XX~~ VII,
No 3, 1954, pp 26-40.

24,679 Brutcher Tr No 3516
 \$8.60 CLA - R 1949
Scientific - Min/Metals Jun 55 CDS

On the Nature of Weld Hot Cracking, by B. I. Madovar.

RUSSIAN, per, Avto-Maticheskaya Svarka, Vol VII,
No 4, 1954, pp 12-28.

Brutcher Tr
No 3400

Scientific - Min/Metals Jan 55 CTS/DEX

20, 901

Intersection Between Slag and Metal in Electro-slag MIGGING Welding, by Yu. N. Gotal'skiy.

RUSSIAN, per, Avtomat Svarka, No 5, 1954,
pp 38-43.

Henry Brutcher 4437

Sci - Engr

Apr 59

83, 670

Formation of Hot Cracks in Butt Welds With
Extension Tabs, by S. L. Mandel'berg, O.S. Zabarilo,

RUSSIAN, per, Avtomat Svarka, Vol VII, No 6, 1954,
pp 29-32.

27,850

Brutcher Tr 3550

Scientific - Min/Metals Oct 55 CTS

Submerged Automatic Arc Welding of Rusty Steel,
by A. G. Mazel, B. P. Vasil'kov.

RUSSIAN, per, Avtomaticheskaya Svarka, Vol
VII, No 6, 1954, pp 44-51.

Brutcher Tr No 3591
\$4.20

USSR
Sci - Engineering
Minerals/Metals

29/11

On the Problem of the Reasons for the Development
of Hot Cracks in Welding, by M. E. Prokhorov.
USSR

RUSSIAN, ger, Avtom Svarka, Vol VII, No 6,
1954, pp 52-58.

DSIR LRU N.1376

(loan)

Sci - Engr
Apr 60

112,676

Reasons for the Hot Cracking of Welds, by
V. V. Podgayetskiy,

RUSSIAN, per, Avtomat Svarka, Vol VII, No 7,
1954, pp 73-76.

6

Exit: Brutcher Tr 3536

27,827

Scientific - Min/Metals Oct 55 CIS

In the Nature of Intergranular Cracking of Welds
at High Temperature, by B. A. Movchan, L. A.
Poznyak.

RUSSIAN, no per, Avtomaticheskaya Svarka, Vol 8,
No 6, 1954, pp 59-72

Brutcher No 3572
\$9.40

Scientific " Min/Metals
Feb 56 CTS/dex

31, 248

Effect of Solubility of Alloying Elements upon Weld
Hot Cracking, by B. I. Medovar, 3700 words.

USSIAN, per, Avtomatischekaya Svarka, Vol VIII, No 2,
1955, pp 79-90.

Brutcher No 3554
\$7.40

Scientific - Minerals/metals

26, 728

Sep 55

On One Form of Intergranular Corrosion in Welds
in Stabilized 18-8 Steels (Knife-Line Attack),
by Yu. I. Kazennov,

²
RUSSIAN, per, Avtomat Svarka, Vol IX, No 9, 1955,
pp 91-93.

26,089

Brutcher Tr 3552
\$2.50

Scientific - Min/Metals

Aug 55 GTS

Special Features of Automatic (Semisubmerged)
Arc Welding of Aluminium and Its Alloys, by
D. M. Rabkin, 15 pp.

RUSSIAN, per, Avtomnt Sverkr, Vol VIII,
No 3, 1955, pp 13-25.

SLA 59-22671

Sci
Sep 61.

169, 357

Some Problems of the Metallurgy of Semi-Automatic Welding of Stainless Steel Using Unfused Siliceous Fluxes, by A. I. Akhlov.

RUSSIAN, per, Avtomaticheskaya Svarka, Vol VIII,
No 3, 1955, pp 50-54.

Bratcher No 3794
\$3.20

Sci - Min/metals

40,650

Oxygen-Free Fluxes for Welding High-Alloy Steels and Alloys, by B. U. Medovar, S. M. Gurovich. UNCL

RUSSIAN, par, Avtom Svarka, No 4, 1955,
pp 31-41.

NLL n. 4267
RISI 1335
OTS 63-14315
(14 58.0d.)

114,290

Sol - Min/Mayt
Apr 60

Effect of Structure of Flux on Porosity of Weld,
by V. V. Podgoyetskiy, A. V. Isal'nik. UNCL

RUSSIAN, per, Avtom Svarke, No 4, 1955, pp 58-62.

British Iron and
Steel Ind 1336
(L2 58.Od.)

NLL R-4777

Sci - Min/Met
Sep 59

96, 027

Etching Agent for Macrostructure of Welds in
Steel, A. A. Rossoshinskiy, V. Ya. Sidlyarenko.

RUSSIAN, per, Avtomaticheskaya Svarka, Vol VIII,
No 4, 1955, p 83.

Brutcher Tr
No 3690
\$1.25

Scientific - Min/Metals May 56 CTS/DEX
 34,046

Methods of Studying the Primary Structure of Welds, by
A. A. Rossoshinskiy.

RUSSIAN, bimo per, Avtomaticheskaya Svarka, Vol VIII,
No 4, Kiev, 1955, pp 90-94.

Brutcher Tr 3992
\$2.75

Sci - Min/Met

57,026

Jan 58

Influence of Aluminium on the Properties of Welded
Seams With High Nitrogen Content, by B. S. Kasatkin,
N. I. Kakhovski. UNCL

RUSSIAN to GERMAN,
RUSSIAN, per, Avtom Svarka, Vol VIII, No 5, 1955,
pp 3-13.

Verein Deutscher Eisenhuettenleute
Duesseldorf
Breite Strasse 27
Germany

The Temperature of A Wild Pool, by I. K. Pekhodtsev,
I. I. Prusen, 11 pp.

RUSSIAN, per, Arctoum Svezka, No 5, 1955, pp 14-24.
(9205208)

(LOAN) NLL Ref. 0578.9 1963 (1,223)
A.C.S.I.L. Tr 1283

Sci - Engr
Apr 63

229,305

Effect of Form of Current on Interaction of
Ging With Metal in Electrosing Welding, by
Yu. N. Gotsel'skiy.

RUSSIAN, per, Avtomat Sverka, No 5, 1955.
pp 47-49.

Henry Brutcher 4438

Sci - Engr

Apr 59

83, 671

New Developments in the Welding of Heavy-Gage
Steel Plate, by M. M. Fishkis et al.

RUSSIAN, no per, Avtomat Svarka, Vol VIII, No 5,
1955, pp 74-77.

Henry Brutcher
Tr No 3774
~~\$3.90~~ \$3.90 45-135

Sci - Engineering
Mar 1957 CTS/dex

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CIA-RDP84-00581R000300800030-4

Some Problems Related to the Application of Automatic
Hard Facing of Rolls, by V. K. Petrichenko,
RUSSIAN, per, Avtom. Syarka, No. 6, 1955, pp 74-84.
BISI 5171

Serial Number

331, 923

Sci - Materials
Jul 1957

10 891

GE-1

B. I. MEDOVAR, N. A. LANGER

Corrosion destruction on the melting line of welds made with
type 18-8 stainless steels

Korrosionszerstörung von Schweißverbindungen aus nicht-
rostenden Stählen des Types 18-8 auf der Schmelzlinie

Avtomat. Svarka, 8, No. 6, 85-95 (1955)

German

E u r a t o m

Low-Silica Fluxes for Automatic Welding and For
Furnaces, by I. I. Frumkin, et al.

RUSSIAN, no per, Avto Svarka. Vol IX, No 1,
1956, pp 3-20.

Brutcher No 3800
\$13.80

41,415

Sci - Engineering
Dec 56 CTS

APPROVED FOR RELEASE: Thursday, December 13, 2001

CIA-RDP84-00581R000300800030-4

APPROVED FOR RELEASE: Thursday, December 13, 2001

CIA-RDP84-00581R000300800030-4

Static Strength of Spot-Welded Joints, by A. N.
Borofeyev,

RUSSIAN, per, Auto Svarka, Vol XX, No 2 ('7), 1956,
pp 58-66.

Butcher Tr 3802
\$7.60

Bcl - Engg
Jul 56

66,284

Ultrasonic Flaw Detection in Butt Welds, by A. K. Gurvich. UNCL

RUSSIAN, per, Avtom Sverka, Vol IV, No 2, 1956,
pp 68-75.

British Iron and Steel Ind
(no number given)

Sci - Phys
Sep 59

98, 180

Thermal Expansion as a Basis for Control of Spot
Welding of Duralumin, by Yu. A. Pachentsev.

RUSSIAN, per, Avtomat Svarka, Vol IX, No 3, 1956,
pp 65-71.

Brutcher Tr 3978
\$5.40

Sci - Min/Met

Apr 58

61,441

Fluxes for Electroslag Welding, by V. V. ~~ni~~Podgayetskiy,
32 pp.
RUSSIAN, per, Avtomat Svarka, No 4, 1956, pp 30-49.
JPRS 24769

Sci-Mat & Met
Jun 64

260,410

Welded Joints and Residual Stresses, by V. I.
Trufyakov. UNCL

RUSSIAN, per, Avtom Svarka, No 5, Oct 1956.

(Held in TIL -- no other info)

Feb 59

Carbon-Dioxide Shielded, Consumable-Metal Arc
Welding of Alloy Steels, by B. S. Kasatkin,
et al.

RUSSIAN, per, Avtomat Svarka, Vol IX, No 5,
1956, pp 19-21.

HB 4890

OTS 62-10140

Sci - Engr

Sep 60

127,041

A Method for the Rapid Analysis of Flux
AE-348-A, by M. A. Ianger, T. P. Novikova. USCL

RUSSIAN, per, Avtom. Smarka, No 5, 1956, p 80-83.

British Iron and
Steel Ind 1284
(12)

NLC M. 4/5/74

Sci - Phys
May 59

86,776

Ultrasonic Inspection of Fillet Welds,
by A. K. Gurvich.

RUSSIAN, per, Avtomat Svarka, Vol ~~X~~ ^{Verf}, IX
No 5, 1956, pp 84-89.

HB 4489

Sci - Engf

Jan 62

178, 311

<p>Frumin, I. I. PREVENTION OF PORES DURING SUBMERGED ARC WELDING AND WELD SURFACING (Preduprezhdennye per pri Svarke i Naplavke pod Flyusom). Apt 61 [49]p. 67 refs. RTS 1779. Order from OTS or SLA \$4.60 61-19691</p> <p>Trans. of Avtomaticheskaya Svarka (USSR) 1956 [v. 9] no. 6, p. 1-30.</p> <p>DESCRIPTORS: *Arc welding, *Arc welds, *Hydrogen, *Porosity.</p> <p>The paper examines experimental data on the formation of pores, and the most important technological and metallurgical factors. It shows the part played by hy- drogen as the main cause of porosity, as well as the part played by nitrogen, carbon monoxide and water vapour. A theoretical analysis is given of the processes in the gas phase, the weld pool and in the slag which lead to the appearance of pores; methods of preventing (Machinery--Manufacturing, TT, v. 6, no. 1) (over)</p>	<p>61-19691</p> <p>I. Frumin, I. I. II. RTS-1779 III. Department of Scientific and Industrial Research (Gr. Brit.)</p> <p>161813</p> <p>Office of Technical Services</p>
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Effect of Composition of Iron-Chromium-Carbon
Alloys on Weld Hot Cracking Susceptibility, by
I. K. Polkhodnya.

RUSSIAN, per, Avtomat Svarka, Vol IX, No 6, 1956,
pp 55-63.

Brutcher Tr 4168
\$7.35

Sci - Engr

Aug 58

68,204

Segregation in Fusion Zone and in Solidification Layers
as Related to the Diffusion Between Solid and Liquid
Phases in the Freezing of Welds, by A. M. Makara, A. A.
Rossoshinskly.

RUSSIAN, bmo per, Avtomacheskaya Svarka, Vol IX, No 4
(51), Kiev, 1956, pp 67-76.

Brutcher Tr 3991
\$9.80

Sci - Min/Met

57,025

Jan 58

On Automatic Welding of Welded Joints,
by B. S. Kuznetsov, A. A. Resochinskiy. UNCLASSIFIED

RUSSIAN, par., Avtomatische Svarka, Vol X, No 1,
Jan-Feb 1957, pp 31-36.

Navy 2550/DeShips 690

113 7/2

Sci - Eng
Jun 60

The Spectral Analysis of Fused Welding Fluxes,
by R. S. Kudelya. UNCLASSIFIED

RUSSIAN, par, Atom Svarka, No 1, 1957,
pp 73-76.

ML M. 4010
British Iron and Steel Ind 1033

Sci- Phys
Jan 59

78,435

Mechanism of the Formation of Crystalline Cracks
During Welding and Hard Facing, by I. I. Frumin,
24 pp.

RUSSIAN, per, Avtomat Svarka, No 1 (52), 1957,
pp 88-102. 9660807

ATIC MCL-467
ATS-22L36R

Sci - Engr

May 61

150, 192

The Mechanism of Formation of Crystallization Cracks
During Welding and Depositon of Beads, by I. I.
Frumin, 14 pp.

RUSSIAN, per, Avtomat Svarka, Vol X, No 1(52),
1957, pp 88-102.

ATS-22L36R

Sci

Jun 60

also AT 12 MCL 476
CIA 9660 371
118,305

Effect of Columbium on the Structure of Welds in
Austenitic 18-8 Steel, by G. G. Mukhin, N. Yu.
Pal'chuk.

RUSSIAN, per, Avtomat Svarka, Vol X, No 2, 1957,
pp 1-10.

Henry Bratcher 4412
\$9.85

Sci - Engr

22 Jan 59

79,589

All-Muitemite Welds Not Susceptible to Hot
Cracking, by B. I. Medovar, Yu. V. Latach.

RUSSIAN, per, Avtomat Svarka, Vol X, No 2,
1957, pp 32-45.

HB 4464

British Welding Research Association
Abington Hall
Abington, Cambridge
BWRA/Tr 5/59

Sci -Engr
Dec 59

104, 351

10 892

GE-1

B. I. MEDOVAR, N. A. LANGER, Yu. V. LATASH

Intercrystalline corrosion in sulphuric acid of fully austenitic steels and welds caused by deformation under pressure

Interkristalline Korrosion in Schwefelsäure von vollaustentischen Stählen und Schweissungen bedingt durch Druckverformung

Avtomatischeeskaya Svarka, 10, No. 1, 46-50 (1957)

German

E u r a t o m

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The Multiple-Rum Welding of Thick Metal in a
Protective Medium of Carbon-Dioxide Gas,
by D. A. Dudko, et al. UESL

RUSSIAN, per, Atom Svarka, No 3, 1957,
pp 58-63.

DSIR LIB RTB 1210

(10s. ed.)

Sci + Engr
Nov 59

100, 757

Some Problems in the Electroslag Welding of
Titanium, by S. M. Gurevich, V. P. Didkovskiy.

RUSSIAN, per, Avtomat Svarka, No 3 (54), 1957,
pp 85-91.

ATS RJ-2070

OTS 63-3445

Sci - Chem
Dec 59

104,071

New Welding Generator Circuits and Their Use
for Welding in Shielding Gases, by G. N.
Kasprzak, V. I. Slobodkin. UNCL 16pp.

RUSSIAN, par, Avtom Svarka, No 3, 1957,
pp 97-104.

Russian to Spanish
OTS TT-63-26780

SLA 60-13432
DSIR LIA ~~SECRET~~ RTS 1211

(L1 C3. 08.)

Sci - Engr
Nov 59

100, 758

Siunov, N.S. and Urmanov, R.N.
ANALISIS DE LOS ESQUEMAS DE SOLDADURA
POR ARCO TRIFASICO USANDO BOBINAS DE RE-
GULACION MONOFASICAS (Analiz Skhem Svarki
Trehfaznoi Dugoi s Ispol'zovaniem Odnofaznykh
Reguliruemykh Drosselей) (Analysis of Triphasic
Arc Welding Patterns with Monophasic Control Elec-
tric Coils). 29p. 9refs. CID:63-333.
Order from OTS, ETC or CID \$2.60 TT-63-26733

Trans. in Spanish of *Avtomaticheskaya Svarka*
(USSR) 1957, v.10, no.4, p.1-14.

DESCRIPTORS: Analysis, Wiring diagrams, *Arc
welding, *Control systems, Coils,

(Metallurgy, TT, v. 11, no. 11)

TT-63-26733
I. Siunov, N.S.
II. Urmanov, R.N.
III. CID 63-333
IV. Centro de Información
y Documentación,
Madrid

Office of Technical Services
European Translations Centre

Spectral Analysis of Certain Titanium Alloys and Their
Weld Joints, by V. V. Bogdanova, Ye. S. Kudelya, 9 pp.

RUSSIAN, per, Avtomaticheskaya Svarka, No 4, (55),
1957, pp 29-32. CIA 616.943

ATIC F-TS-9412/III

Sci - Minerals/Metals
Jun 98 58

65, 627

Some Problems of Crystallization Cracking in
Electroslag Welding, by S. A. Ostrovskaya.

RUSSIAN, per, Avtomat Svarki, No 4, 1957,
pp 33-47.

RB 4859 *See also 4858*
123,078

Sci. - Engr

Aug. 60

Method of Obtaining a Collodion Replica of
a Known Region of a Specimen for Electron
Microscope Examination, by Yu. B. Malcovskiy,
G. P. Darovskiy.

RUSSIAN, per, Avtomat Svarka, No 4,
1957, pp 48-51.

CSIRO

Sci - Electron
Mar 62

189, 285

The Use of Aluminum Welded Structures, by D. W.
Pabkin, 4 pp.

MIRSLAN, per, Avtomat Svarka, No 4, Kiev, 1957,
pp 107-112.

US JPRS/DC-L-1150

USSR
Sci & Minerals/Metals
Dec 58

77,427

Certain Characteristics of Welding Titanium
Under Flux, by S. M. Gurevich, 17 pp.

RUSSIAN, per, Avtomat Svarka, No 5, 1957,
pp 38-48. 9668578

PTD-TT-63-22

Sci-Materials & Metallurgy
May 63

230, 888

Über die Teilnahme des Zusatz- und Grundwerkstoffes an
den Metallurgischen Reaktionen bei im Elektro-
Schlacke-Schweissvorgang, by D. A. Dudko, In. N.
Rublevskiy. (unpubl tr)

RUSSIAN to GERMAN, per, Avtom Svarka, No 5, 1957,
pp 56-60.

IDU 682
Institut fuer Dokumentation
Übersetzungsnachweis
Berlin, W. 8
Unter den Linden 8

Apr 60

Automatic Fusing on With Band Electrodes, by F. A. Khomusko.

RUSSIAN to GERMAN, per, Avtom Svarka, No 5, 1957,
pp 76-85.

ID-U 688

Institut fuer Dokumentation-
Ubersetzungsnachweis
Berlin, W 8
Unter den Linden, 8

Dec 59

Mechanisms for the Diffusion of Cu in Fe and Steel,
by I. I. Szhevaga.
RUSSIAN, per, Avtom Svarka Svorn, No 6, 1957,
pp 87-90.
*CFSTI TT 70-59116

Sci-
June 70

Secondary Carbides and the Formation of the
Phase in Weld Seams of Stable Austenitic
Steel Type 25-20, by Yu. B. Mleevskiy, B. I.
Medovar, 10 pp.

RUSSIAN, per, Avtomat Svarka, Vol X, No 5,
1957, pp 86-94.

ABQ Tr-4203

Sci - Min/Met
20 Oct 60

129,745-

Dynamic Characteristics of the Power Source
in Automatic Inert-Gas-Shielded Welding, by
V. M. & Shchitova, I. Ya. Rabinovich.

RUSSIAN, per, Avtomat Svarka, Vol XI, No 1,
1958, pp 44-47.

HB 6034

Sci-M/M

Nov 63

243,429

Fine Structure (Granular and Subgranular) and Its
Influence on the Impact Strength of Welds, by
D. S. Kuznetsov, N. L. Karata, D. P. Borovskii. Ural

Russian, per, Avtomat Svarka, No 2, 1958, pp 20-23.

DSIR LLU M.590

(loan) ^{22/10} BWR A / 13/59
British Welding Research Association
Arlington Hall
Arlington, Cambridge, 987

Sci - Min/Met
Oct 59

Electron Microscopes Illumination of Welds in
Titanium, by V. F. Grabin, S. M. Guravich. USSR.

RUSSELAN, par, Avtomat Svarka, No 2, 1959, pp 37-41.

DSIR LIB W.592

(loan)

Sci - Electronics; Engg
Oct 59

98,986

T of C

RUSSIAN, per, Avtomaticheskaya Svarka, No 3, Mar 1958.

AMS Lib Tr

Sci - Engineering
Sep 58

CO₂ Welding of 20 KhMF Heat Resistant Steel, by B. S.
Kasatkin, Yu. N. Vakhnin.

RUSSIAN to GERMAN, per, Avtom Svarka, No 3, 1958,
pp 3-11.

ID-U 707

Institut fuer Dokumentation-
Ubersetzungsnachweis
Berlin, W 8
Unter den Linden 8

Dec 59

Fatigue Strength of Welded Joints in HSt 3 Steel
Containing Up to 0.15% of As., by A. K. Asule.
UICL.

RIBESYAH, per, Avtomat Svarka, No 3, 1958,
pp 24-34.

GB/326/TR 4/59

DSIR LLU M.593

(loan)

BWRA Tr 4/59 98,99⁰²
Scl - Min/Hst British Welding Res Assoc
Oct 59 Abington Hall
Abington, Cambridge

Influence of Low Temperatures on the Impact
Tensile Strengths of Welded Joints, by Yu. P.
Sataev. UNCL

RUSSIAN, per, Avtom Svarke, No 3, 1958,
pp 57-61.

BWRA/Tr 7/59
British Welding Research Association
Abington Hall
Abington, Cambridge

Fob 60

106, 710

Influence of the Type and Polarity of the Current
on Metallurgical Processes During Electro-slag
Welding, by D. A. Dudko, I. N. Rublevskiy.
RUSSIAN, per, Avtomaticheskaya Svarka, No 3,
1958, pp 69-78.
BISI 3780

Sci - M/M
Aug 64

265,439

Automatic Welding, 2 pp.

RUSSIAN, per, Avtomat Svarka, No 4, Kiev, 1958,
publ by the Publishing House of the Academy of Science
Ukrainian SSR.

Engr Res Devel Lab

Sci - Engr

Dec 58

11 220

GE-1

KAKHOVSKII N. I.

CO₂-welding of 2 Ch 13 high chromium steel
CO₂-Schweissung hochchromhaltigen Stahles der Marke
2 Ch 13

* Avtom. Svarka, 11, No. 4, 44-54 (1958)

German

E u r a t o m

On Drop Transfer of Electrode Metal During
Electroslag EWelding, by D. A. Dudko,
I. N. Rublevskiy, 13 pp.
RUSSIAN, per, Avtomat Svarka, No 4,
Apr 1958, pp 24-31.
JPRS 24940

Sci - M/M
Jun 64

6
261,090

Determination of the Composition of Steel
Weld Metal by Electric Spark Sampling, by
G. S. Kudelyn. UNCL

RUSSIAN, per, Avtom Svarka, No 4, 1958,
pp 67-71.

O T S 62-20141
BWRA Tr 6/59

British Welding Research Association
Abington Hall
Abington, Cambridge

Sci - Min/Met
Jan 60

106,749

Lonskii, E. D.
THE POSSIBILITY OF ATTAINING EQUILIBRIUM IN
THE SLAG-METAL SYSTEM DURING ELECTRIC ARC
WELDING. [1962] [18]p. 8 refs.
Order from OTS or SLA \$1.60

62-20144

Trans. of Avtomaticheskaya Svarka (USSR) 1958, v. 11,
no. 4, p. 72-83.

DESCRIPTORS: *Arc welding, *Electric welding, *Slags,
Metals, *Chemical equilibrium

The object of the present investigation was to determine
whether the conditions observed in general metallurgical
practice also apply in the case of welding. The in-
vestigation was carried out in three directions. The
composition of the metal and slag formed by the fusion
of electrodes with core wires of different grades of
steel, of electrodes with different amounts of ferronan-
gane in the coatings and of electrodes with two-
(Metallurgy, TT, v. 9, no. 11) (over)

62-20144

I. Lonskii, E. D.

Office of Technical Services

Automatic Welding of Large Diameter Pipes, by N. I. Voronov.

RUSSIAN to GERMAN, per, Avtom Svarka, No 4, 1958,
pp 89-91.

ID-U 727

Institut fuer Dokumentation-
Übersetzungsnachweis
Berlin, W 8
Unter den Linden 8

Dec 59

APPROVED FOR RELEASE: Thursday, December 13, 2001

CIA-RDP84-00581R000300800030-4

APPROVED FOR RELEASE: Thursday, December 13, 2001

CIA-RDP84-00581R000300800030-4

The Thermal Theory of the Electric Arc, by G.
Leakov, G. I. Pogodin-Alekseyev.

RUSSIAN, per, Avtomat Svarka, Vol XI, No 5,
1958, pp 72-82.

DSIR LLU RTS 1589

Sci - Eng

Oct 60

130,733

TABLE of Contents: Automatic Welding.

RUSSIAN, per, Avtomaticheskaya Svarka, No 6, 1958,
publ by the Publishing House of the Academy of
Sciences of the Ukrainian SSR, Kiev.

Engr Res Devel Lab
T-332

Sci - Engr

Dec 58

Practical Application of Modern Achievements
in Welding Metallurgy, by I. Chabelka. UNCL

RUSSIAN, por, Avtom Svarka, Jun 1958, pp 3-12.

British Iron and
Steel Ind 1958 No 1204
(L5 5s.0d.)

NLL M-4570

Sci - Engr
May 59

86,837

Rupture Strength of Austenitic Welds Made
Under a Flux [Submerged Arc], Under Argon and
Carbide Dioxide, by B. I. Medovar, A. N. Sefon-
nikov, R. O. Lento.

RUSSIAN, per, Avtomat Svarka, Vol XI, No 6,
1958, pp 13-31.

HB 4804

Sci - Engr

May 60

116,534

Zaruba, I. I. and Potap'evskii, A. G.
SPECIAL FEATURES OF CO₂ ARC WELDING WITH
A THIN ELECTRODE WIRE [Osnobennost Protsessa
Svarki Tonkol Elektrodnol Provolokol v Srede Uglekis-
logo Gaza]. Jan 60.
Order from MT

MT Trans-21

Trans. of Avtomaticheskaya Svarka (USSR) 1958 [v. 11]
no. 6, p. 32-41.

DESCRIPTORS: *Arc welding, Carbon dioxide, Elec-
trodes, Wire.

(Machinery--Manufacturing, TT, v. 6, no. 6)

61-22748

- I. Zaruba, I. I.
- II. Potap'evskii, A. G.
- III. MT Trans-21
- IV. Tollermache, M. de O.
(Gr. Brit.)

176639

Office of Technical Services

APPROVED FOR RELEASE: Thursday, December 13, 2001

CIA-RDP84-00581R000300800030-4

APPROVED FOR RELEASE: Thursday, December 13, 2001

CIA-RDP84-00581R000300800030-4

Some Features in the Electroslag Melting of Large
Diameter Consumable Electrodes, by Yu. V. Latash,
Ye. O. Paton, 10 pp.
RUSSIAN, per, Avtomat Svarka, No 6, 1958, pp 76-83.
JPRS 24369

#8151 5659

Sci - Elect
May 64

257, 090

Effect of Columbium on the Structure X of Welds
in Austenitic 18-8 Steels, by N. F. Lashko.

RUSSIAN, par. *Avtomat Svarka*, Vol XI, No 6,
1958, pp 64-67.

Henry Butcher 4413
\$3.75

Sci - Chem

Apr 59

84, 313